

CURRENT LITERATURE OF INTEREST TO THE MOTION PICTURE ENGINEER

The editors present for convenient reference a list of articles dealing with subjects cognate to motion picture engineering published in a number of selected journals. Photostatic or microfilm copies of articles in magazines that are available may be obtained from The Library of Congress, Washington, D. C., or from the New York Public Library, New York, N. Y., at prevailing rates.

American Cinematographer

25 (Jan., 1944), No. 1

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| The Documentary Technique in Hollywood (p. 10) | J. H. HOWE |
| The New Acme-Dunn Optical Printer (p. 11) | L. DUNN |
| Proper Editing Means Better Pictures (p. 13) | C. W. CADARETTE |
| The Camera Is a Weapon (p. 14) | M. S. BLANKFORT |
| Motion Pictures' Post-War Role (p. 15) | N. D. GOLDEN |
| DeVry Loans Patents to Armed Forces (p. 28) | |
| Voice Recorded on Hair-like Wire (p. 28) | |

Educational Screen

22 (Dec., 1943), No. 10

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| Motion Pictures—Not for Theatres, Pt. 52 (p. 383) | A. E. KROWS |
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23 (Jan., 1944), No. 1

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| Motion Pictures—Not for Theatres, Pt. 53 (p. 19) | A. E. KROWS |
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International Photographer

15 (Dec., 1943), No. 11

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| Motion Pictures' Post-War Role (p. 5) | N. D. GOLDEN |
| Post-War Television (p. 11) | T. F. JOYCE |
| Lighting for Technicolor (p. 13) | E. PALMER |

15 (Jan., 1944), No. 12

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| Let's Shoot 'Em Sharp (p. 7) | H. McALPIN |
| Better Sound Recording (p. 9) | Y. F. FREEMAN |
| Action Photography (p. 13) | M. TERRELL |

16 (Feb., 1944), No. 1

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| Anseo Color Film (p. 10) | F. WING, JR. |
| The New Bell and Howell Camera (p. 13) | J. MCCOSKEY |

International Projectionist

18 (Dec., 1943), No. 12

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| Analyzing Power Unit Diagrams (p. 11) | L. CHADBOURNE |
| Television Today, Pt. III (p. 18) | J. FRANK, JR. |

Application of Relays (p. 20)

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| The Care and Maintenance of Motor Generator Sets (p. 22) | H. B. SELLWOOD |
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Kinematograph Weekly

322 (Dec. 16, 1943), No. 1913

A Revolutionary Front-Line Camera (p. 27)

R. H. CRICKS

323 (Jan. 13, 1944), No. 1917

New Things to Come in Film Stock and Emulsions (p. 188)

T. T. BAKER

Motion Picture Herald

154 (Jan. 22, 1944), No. 4

MacLeish Asks Film Library for Nation (p. 18)

154 (Feb. 5, 1944), No. 6

Causes of Unsteady Image—and What to Do to Cure It
(p. 88)

C. E. SHULTZ

SOCIETY ANNOUNCEMENTS**ATLANTIC COAST SECTION**

The physical characteristics of film were discussed by Dr. John M. Calhoun and Mr. Ralph H. Talbot of the Eastman Kodak Company, Rochester, at a meeting of the Atlantic Coast Section on February 23d. Dr. Calhoun's topic was "The Physical Properties and Dimensional Behavior of Motion Picture Film." A brief description was given of the manufacture of motion picture film, particularly the film base, which was illustrated with an 8-min excerpt from an Eastman 16-mm film entitled "Highlights and Shadows." Dr. Calhoun explained the physical properties of film such as strength, stretch, tearing resistance, cold flow, brittleness, *etc.*, as they bear on projection performance.

Speaking on "Some Relationships between the Physical Properties and the Behavior of Motion Picture Film," Mr. Talbot told how such properties as development shrinkage, humidity change shrinkage, and keeping shrinkage affect image placement on both negative and positive films. Some of the most important factors relating to the wear life of film are the shape of the perforation, the relation between the pitch of the sprocket and the pitch of the film, and the alignment of the film on the intermittent sprocket.

Clyde R. Keith, Chairman, opened the meeting in the Roof Garden of the Hotel Pennsylvania with a 16-mm sound film, "Army-Navy Screen Magazine," a 15-min reel for service men.

PACIFIC COAST SECTION

Methods used by Hollywood studios to transfer 35-mm entertainment films to 16-mm for distribution to the armed forces were discussed at the Pacific Coast Section meeting on February 15th. Studio and laboratory representatives told of the large-scale program now in operation for supplying 16-mm prints, and the particular problems involved. Several excerpts from recent releases were presented to demonstrate the results and limitations of 16-mm reduction prints.